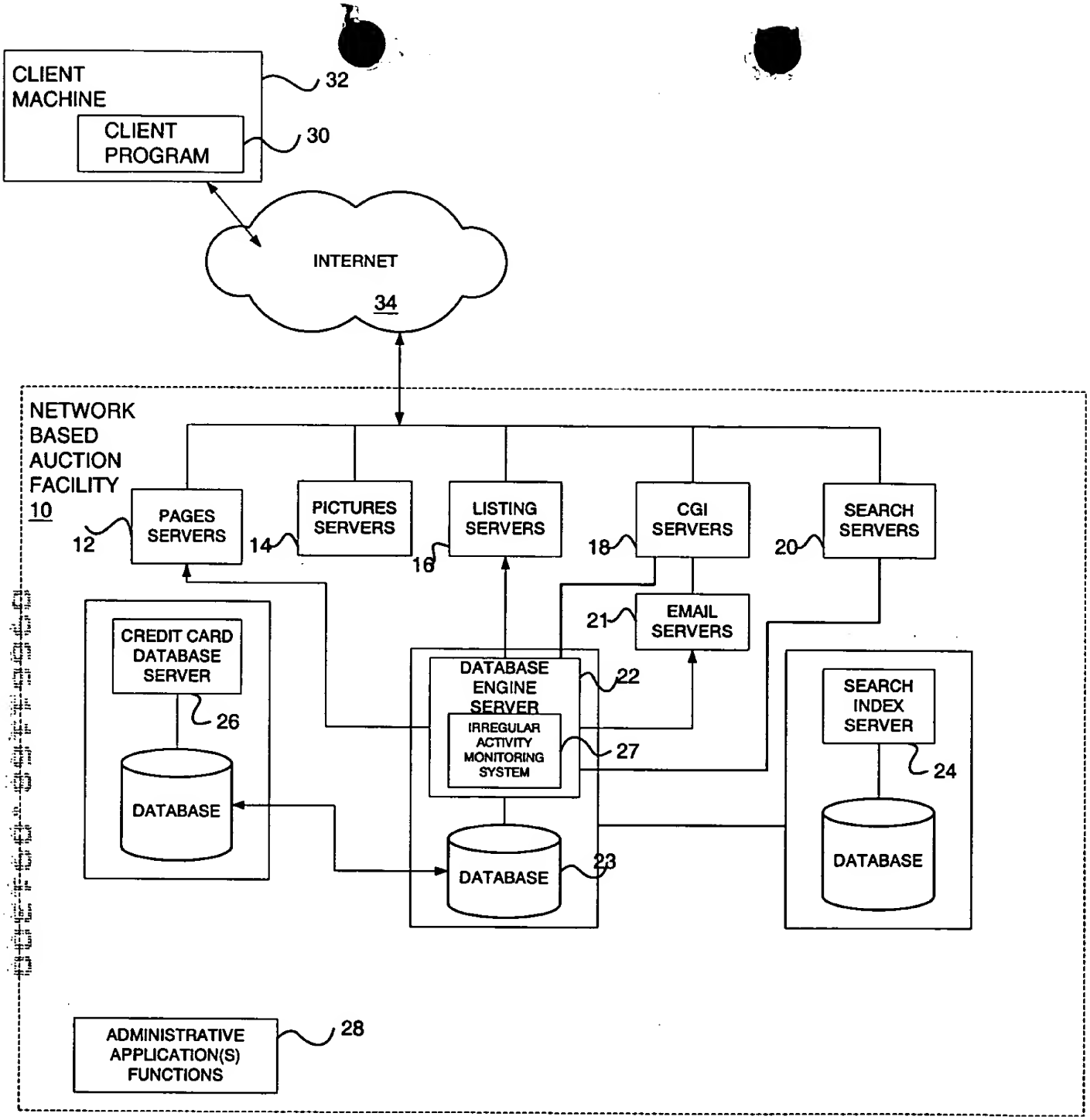
CLIENT MACHINE
32
CLIENT PROGRAM
30
INTERNET
34
NETWORK BASED AUCTION FACILITY
10
PAGES SERVERS
12
PICTURES SERVERS
14
LISTING SERVERS
16
CGI SERVERS
18
SEARCH SERVERS
20
EMAIL SERVERS
21
CREDIT CARD DATABASE SERVER
26
DATABASE
DATABASE ENGINE SERVER
22
IRREGULAR ACTIVITY MONITORING SYSTEM
27
DATABASE
23
SEARCH INDEX SERVER
24
DATABASE
ADMINISTRATIVE APPLICATION(S) FUNCTIONS
28

FIGURE 1

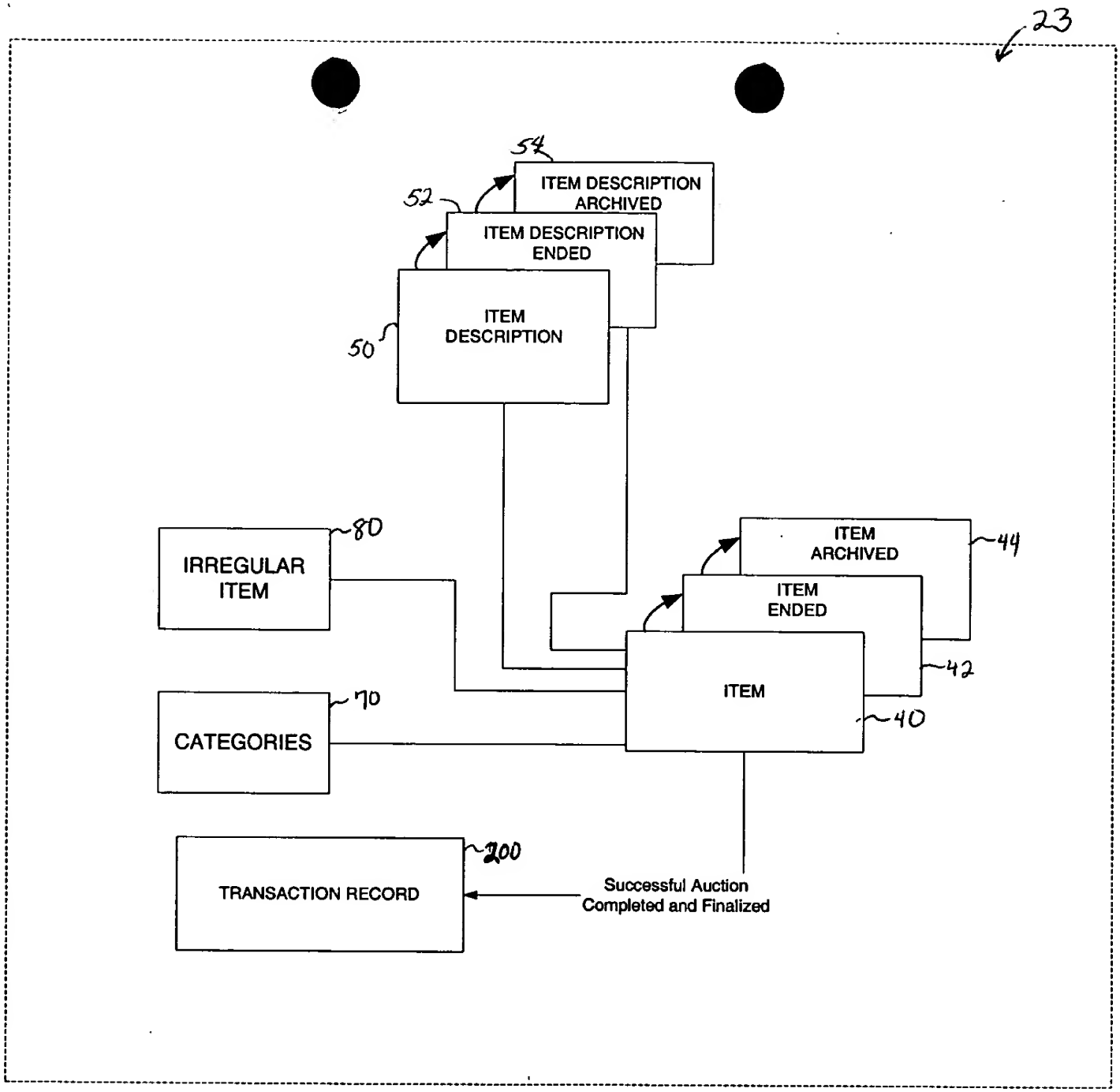
23
54
ITEM DESCRIPTION ARCHIVED
52
ITEM DESCRIPTION ENDED
ITEM DESCRIPTION
50
IRREGULAR ITEM
80
ITEM ARCHIVED
44
ITEM ENDED
ITEM
42
40
CATEGORIES
70
TRANSACTION RECORD
200
Successful Auction Completed and Finalized

FIGURE 2

300

| Data | | | | | |
|---|---|---|---|---|---|
| Item ID | Selling Price | Price-Based Fee | Irregular Flag | Seller Id | Bidder Id |
| Item 1 | $2500 | $44.37 | 0 (301) | A | E |
| Item 2 | $150,000 | $1888.12 | 0 (302) | B | F |
| Item 3 | $1800 | $35.62 | 0 (303) | C | G |
| Item 4 | $1950 | $37.50 | 0 (304) | D | H |
| 310 | 320 | 330 | 340 | 350 | 360 |

FIGURE 3a

300

| Data | | | | | |
|---|---|---|---|---|---|
| Item ID | Selling Price | Price-Based Fee | Irregular Flag | Seller Id | Bidder Id |
| Item 1 | $2500 | $44.37 | 0 (301) | A | E |
| Item 2 | $150,000 | $1888.12 | 1 (302) | B | F |
| Item 3 | $1800 | $35.62 | 0 (303) | C | G |
| Item 4 | $1950 | $37.50 | 0 (304) | D | H |
| 310 | 320 | 330 | 340 | 350 | 360 |

FIGURE 3b

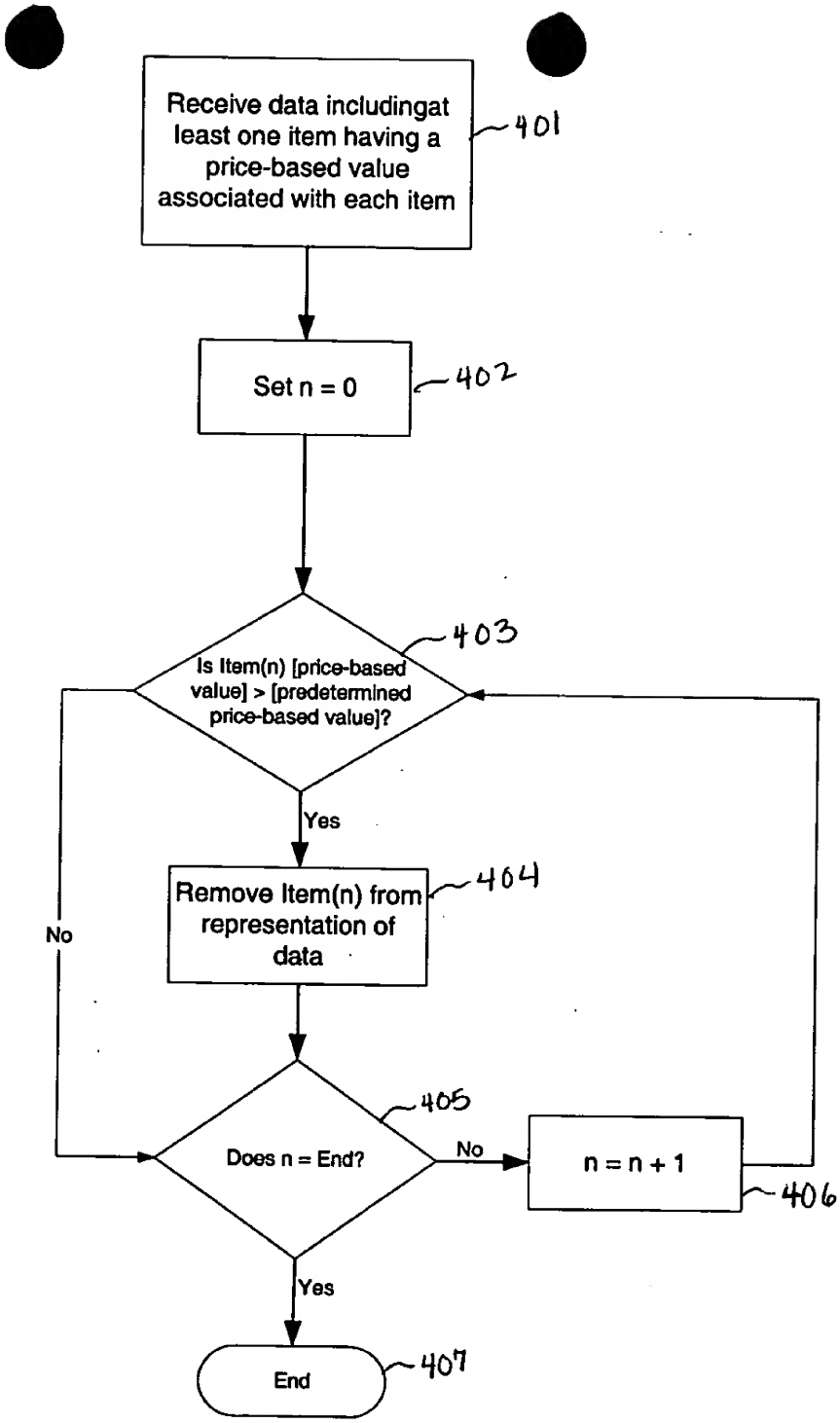
Receive data includingat least one item having a price-based value associated with each item
401
Set n = 0
402
Is Item(n) [price-based value] > [predetermined price-based value]?
403
Yes
No
Remove Item(n) from representation of data
404
Does n = End?
405
No
n = n + 1
406
Yes
End
407

FIGURE 4

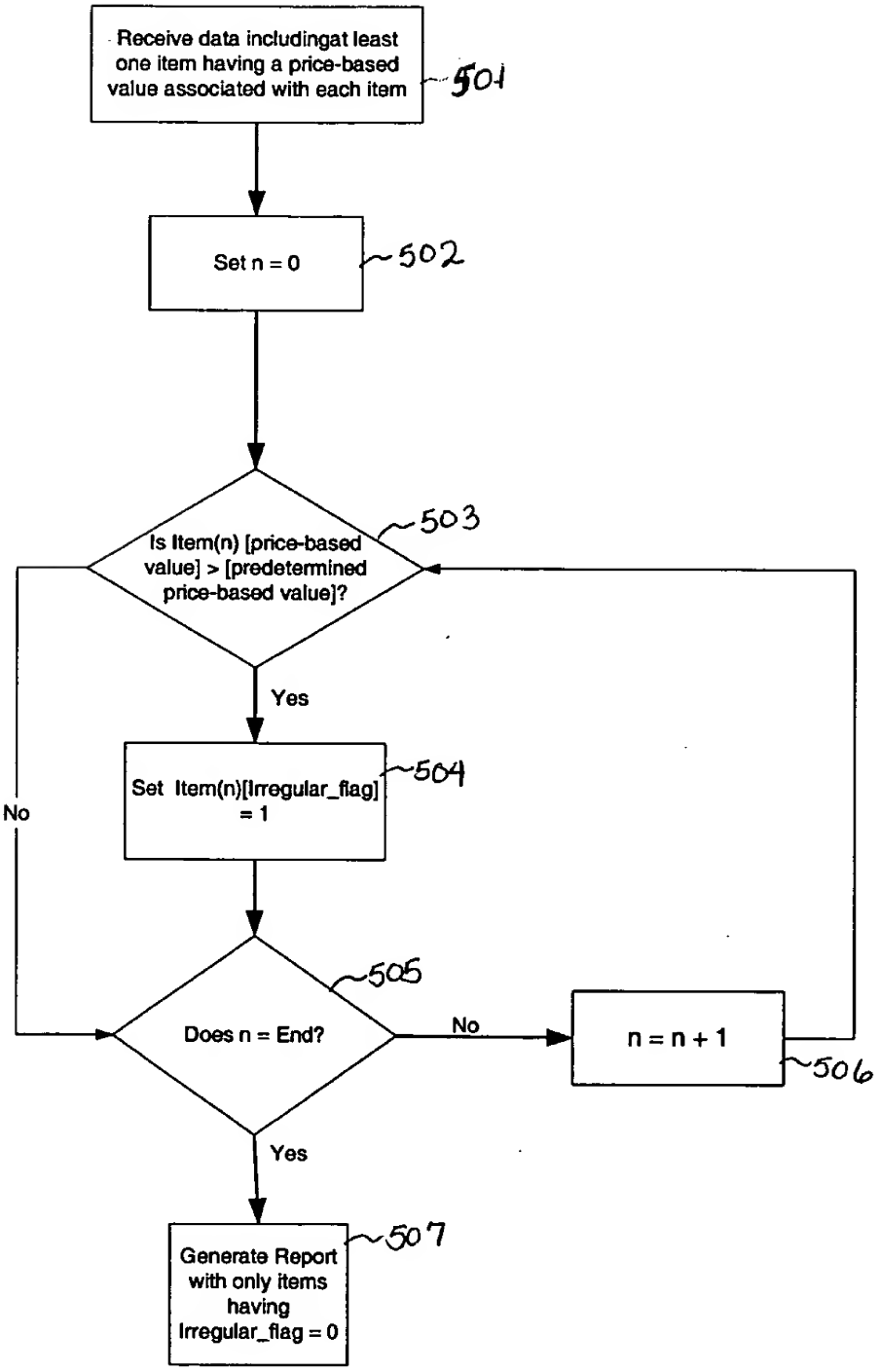
Receive data includingat least one item having a price-based value associated with each item
501
Set n = 0
502
Is Item(n) [price-based value] > [predetermined price-based value]?
503
Yes
No
Set Item(n)[Irregular_flag] = 1
504
Does n = End?
505
No
n = n + 1
506
Yes
Generate Report with only items having Irregular_flag = 0
507

FIGURE 5

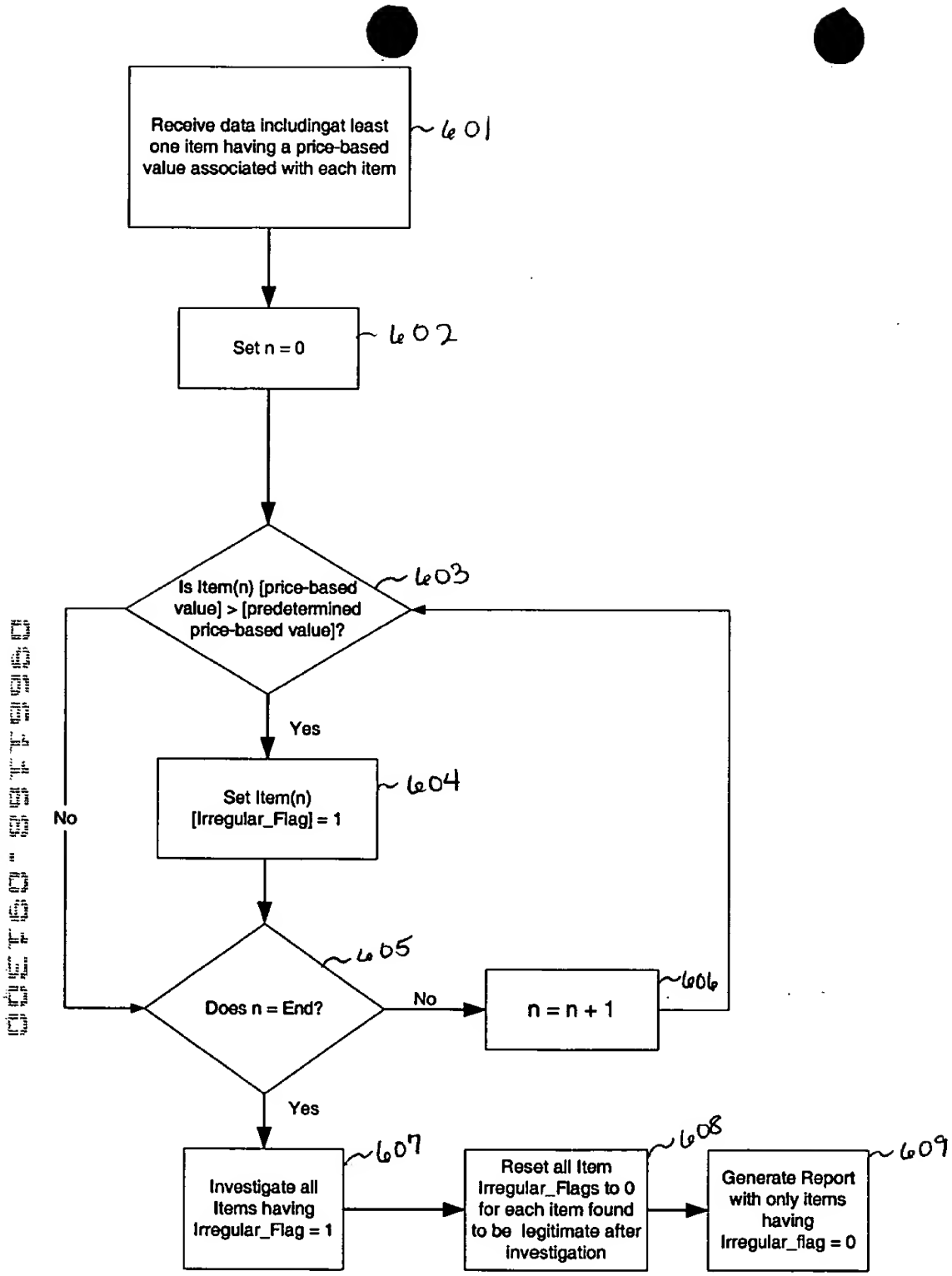
Receive data includingat least one item having a price-based value associated with each item
601
Set n = 0
602
Is Item(n) [price-based value] > [predetermined price-based value]?
603
Yes
No
Set Item(n) [Irregular_Flag] = 1
604
Does n = End?
605
No
n = n + 1
606
Yes
Investigate all Items having Irregular_Flag = 1
607
Reset all Item Irregular_Flags to 0 for each item found to be legitimate after investigation
608
Generate Report with only items having Irregular_flag = 0
609

FIGURE 6

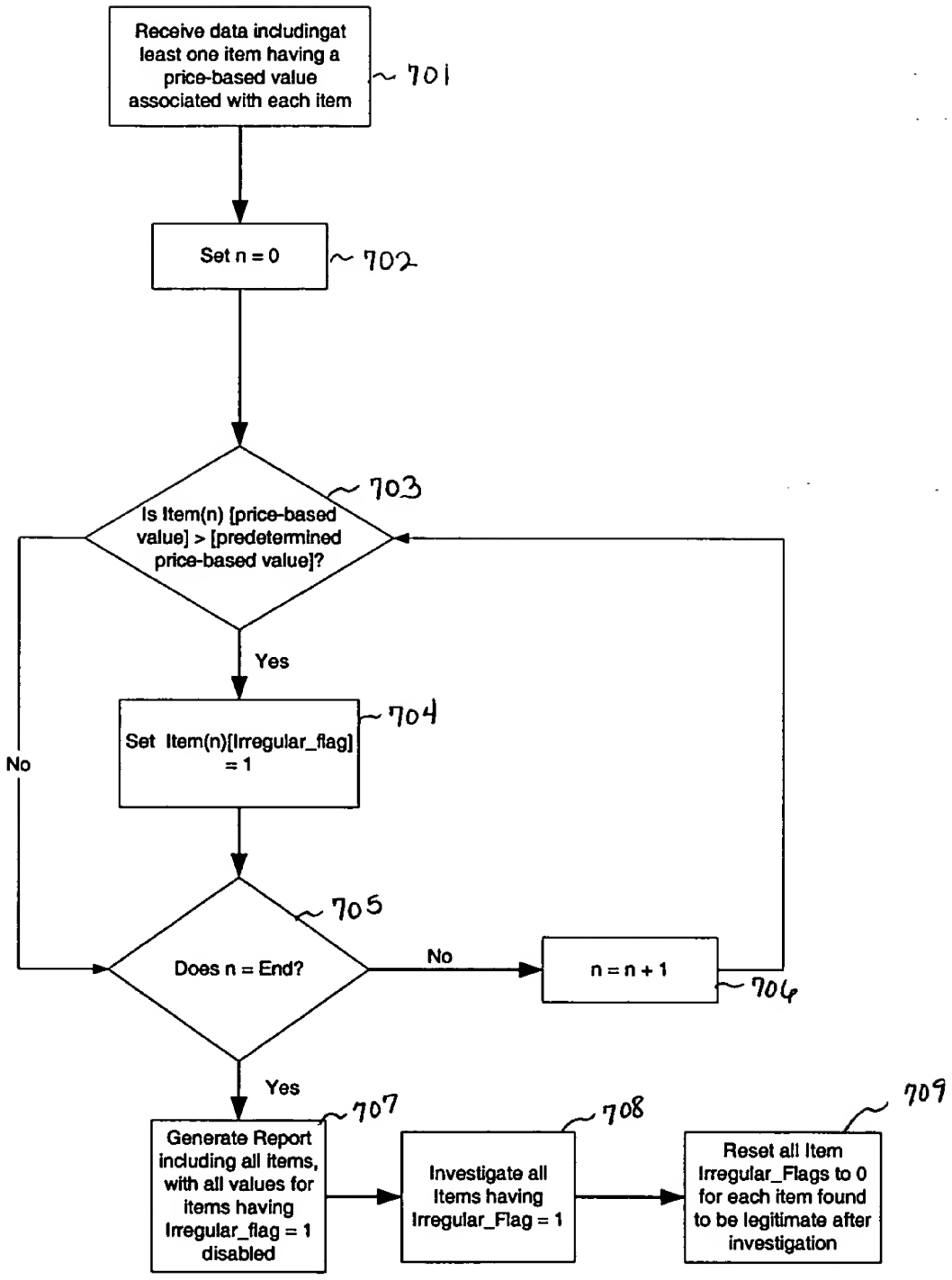
Receive data includingat least one item having a price-based value associated with each item
701
Set n = 0
702
Is Item(n) [price-based value] > [predetermined price-based value]?
703
Yes
No
Set Item(n)[Irregular_flag] = 1
704
Does n = End?
705
No
n = n + 1
706
Yes
Generate Report including all items, with all values for items having Irregular_flag = 1 disabled
707
Investigate all Items having Irregular_Flag = 1
708
Reset all Item Irregular_Flags to 0 for each item found to be legitimate after investigation
709

FIGURE 7

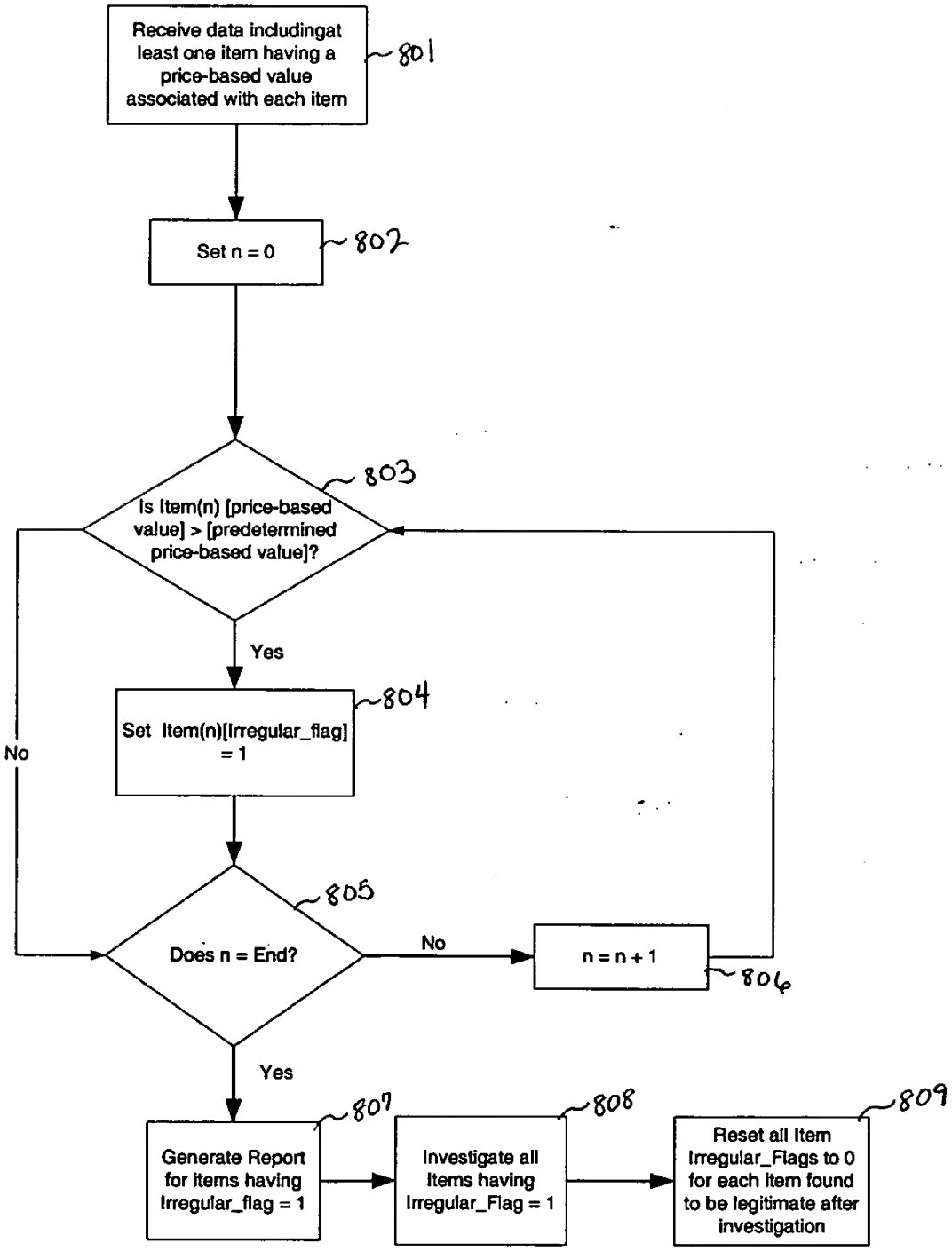
Receive data includingat least one item having a price-based value associated with each item
801
Set n = 0
802
Is Item(n) [price-based value] > [predetermined price-based value]?
803
Yes
No
Set Item(n)[Irregular_flag] = 1
804
Does n = End?
805
No
n = n + 1
806
Yes
Generate Report for items having Irregular_flag = 1
807
Investigate all Items having Irregular_Flag = 1
808
Reset all Item Irregular_Flags to 0 for each item found to be legitimate after investigation
809

FIGURE 8

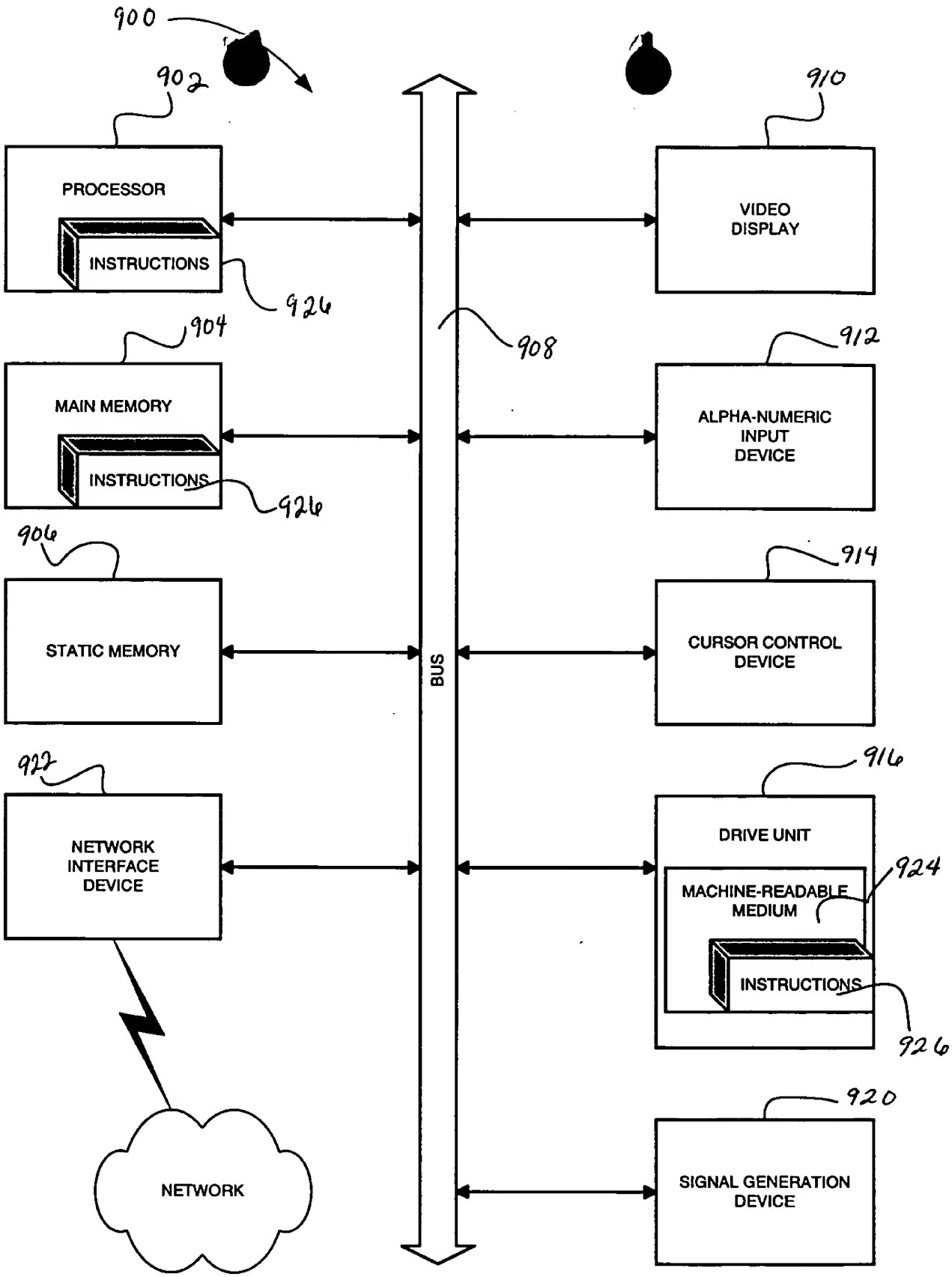
900
902
PROCESSOR
INSTRUCTIONS
926
904
MAIN MEMORY
INSTRUCTIONS
926
906
STATIC MEMORY
922
NETWORK INTERFACE DEVICE
NETWORK
908
BUS
910
VIDEO DISPLAY
912
ALPHA-NUMERIC INPUT DEVICE
914
CURSOR CONTROL DEVICE
916
DRIVE UNIT
924
MACHINE-READABLE MEDIUM
INSTRUCTIONS
926
920
SIGNAL GENERATION DEVICE

FIGURE 9